

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04R9/06 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04R H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) -& JP 09 307955 A (FUNAI DENKI KENKYUSHO:KK), 28 November 1997 (1997-11-28) the whole document	1,2,4-6
A		3
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 298485 A (CITIZEN ELECTRONICS CO LTD), 24 October 2000 (2000-10-24) abstract	3,5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the International filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

4 February 2005

Date of mailing of the International search report

11/02/2005

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## INTERNATIONAL SEARCH REPORT

Int'l Application No  
P. IB2004/052402

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/51183 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; MUEHLBERGER, ANDREAS) 27 June 2002 (2002-06-27) cited in the application abstract; figure 1 -----	1
A	US 6 243 472 B1 (BILAN FRANK ALBERT ET AL) 5 June 2001 (2001-06-05) cited in the application abstract; figures 2,15 -----	1

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT, IB2004/052402

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 09307955	A	28-11-1997	NONE		
JP 2000298485	A	24-10-2000	NONE		
WO 0251183	A	27-06-2002	CN 1404702 T	19-03-2003	
			EP 1247410 A1	09-10-2002	
			WO 0251183 A1	27-06-2002	
			JP 2004516763 T	03-06-2004	
			US 2003003958 A1	02-01-2003	
US 6243472	B1	05-06-2001	AU 9484498 A	05-04-1999	
			WO 9914980 A2	25-03-1999	